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# **WATER SUPPLY OUTLOOK FOR UTAH**



**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES  
-- DIVISION OF WATER RIGHTS**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF  
**JUNE 1, 1977**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SNOW COURSE MEASUREMENTS BY A SURVEY TEAM IN UTAH'S WASATCH RANGE.  
ORC-254-10

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, 6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bazeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia





# ***WATER SUPPLY OUTLOOK***

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# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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# WATER SUPPLY OUTLOOK

as of  
JUNE 1, 1977

\* \* \* \* \*  
\* Utah's water supply outlook ranges from poor for water users \*  
\* on natural streamflow to near average for those with good \*  
\* reservoir carry-over. Heavy May precipitation saved about two \*  
\* weeks of reservoir water, but did not increase streamflow \*  
\* appreciably. Water shortages are still expected statewide. \*  
\* \* \* \* \*

## SNOW COVER

Snow remains at only the highest most protected areas. Only six or seven snow courses out of 160 surveyed had measurable snow as of June 1. May storms produced as much as 18 inches of new snow at some locations, but most of this melted and was absorbed by dry soils.

## PRECIPITATION

Precipitation at mountain locations ranged from 66% of average above Moab to 374% at Long Flat west of Cedar City. In general, most areas were average to three times average except the north slope of the Uintahs which was 3 to 25% less than average and the East Fork Sevier, Fremont River and LaSal Mountain areas which were 20 to 34% less than average.

## SOIL MOISTURE

May rains helped recharge previously dry soils and upper watershed soils are now better, but still generally drier than average.

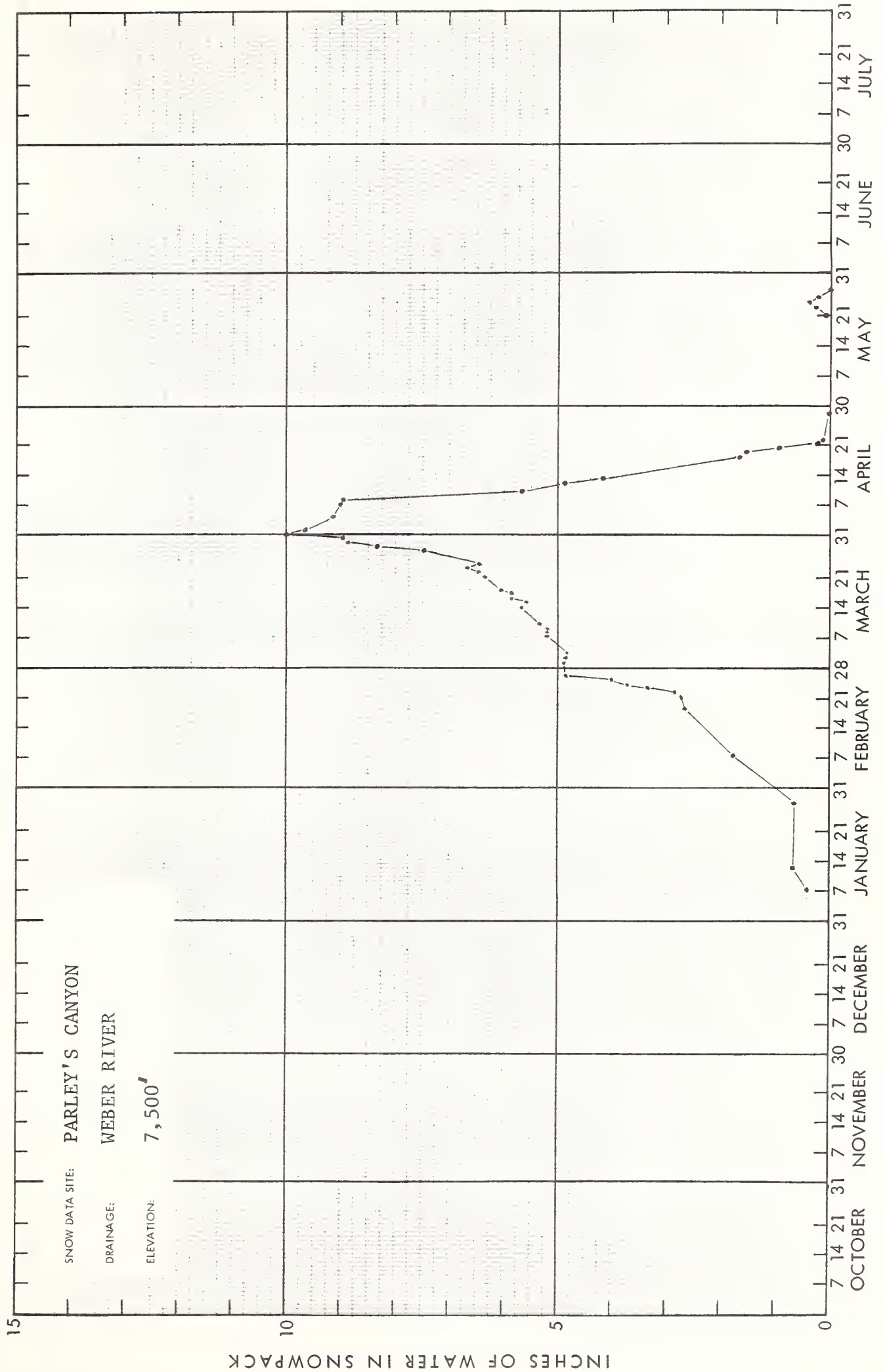
## RESERVOIR STORAGE

Reservoir storage is below average for June 1 and ranges only 30 to 94% as much as last year at this time. The Great Salt Lake is now 4,200.70 feet above mean sea level. It increased 0.05 feet last month and is down 0.05 feet from the peak on March 15, 1977.

## STREAMFLOW

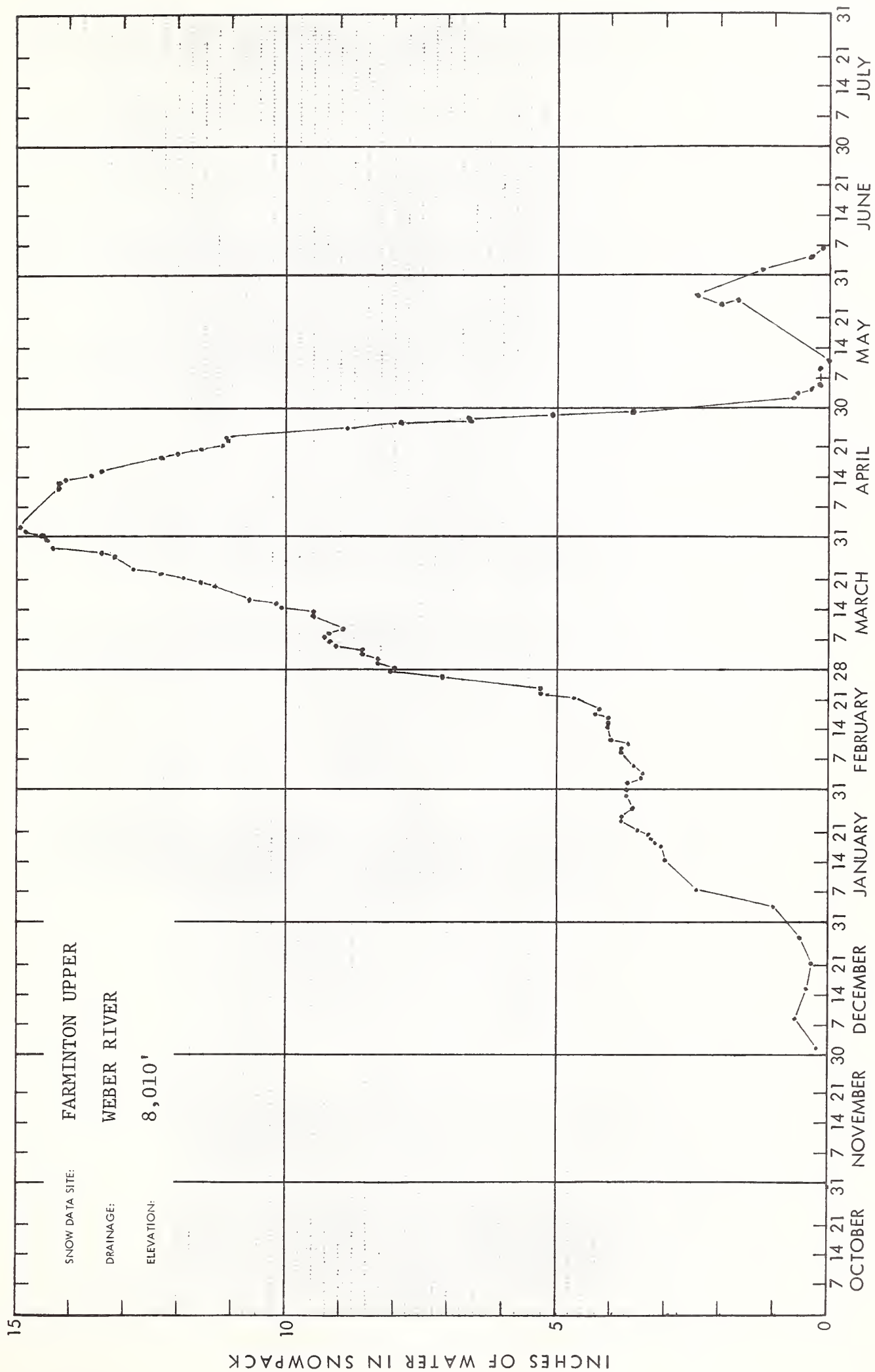
Streamflow in May, according to the U.S. Geological Survey, ranged from 20% of average on Beaver River to 44% on Big Cottonwood with very little increase in flows caused by above average precipitation. Forecasts of streamflow issued May 1 may be increased only 2 to 10% by good May rains. Continued above average precipitation will be needed to help ease the water shortage.







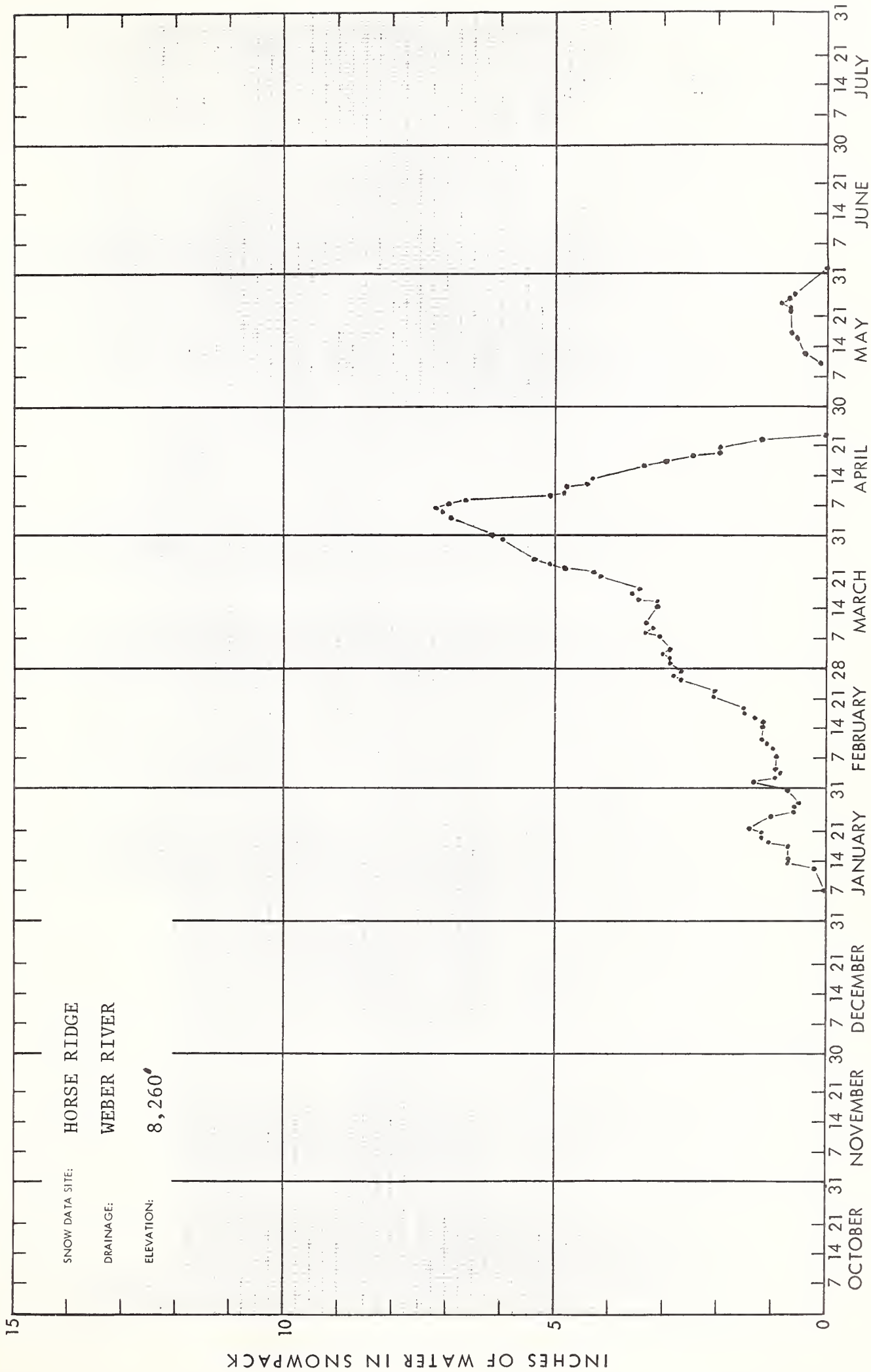
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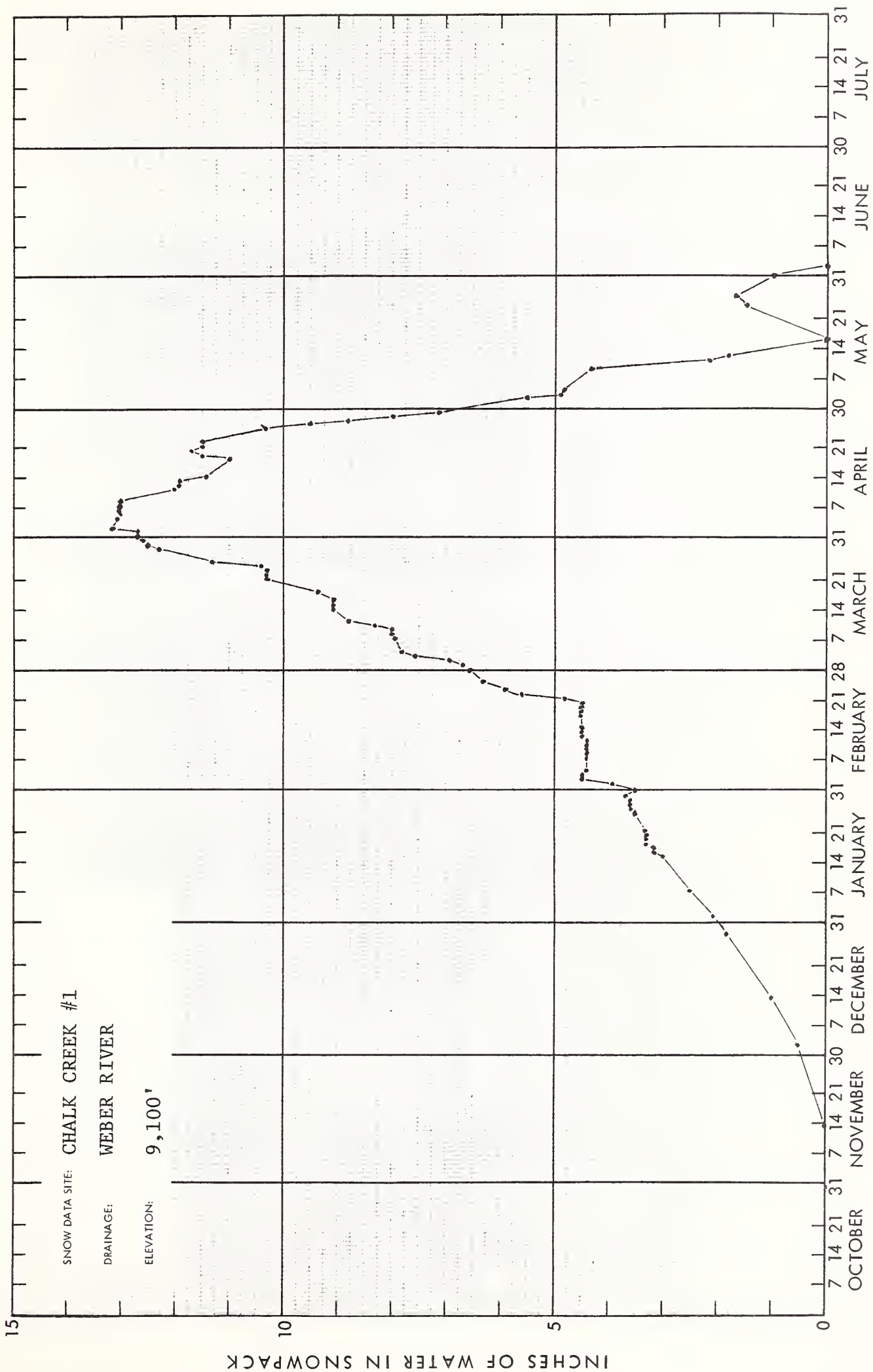


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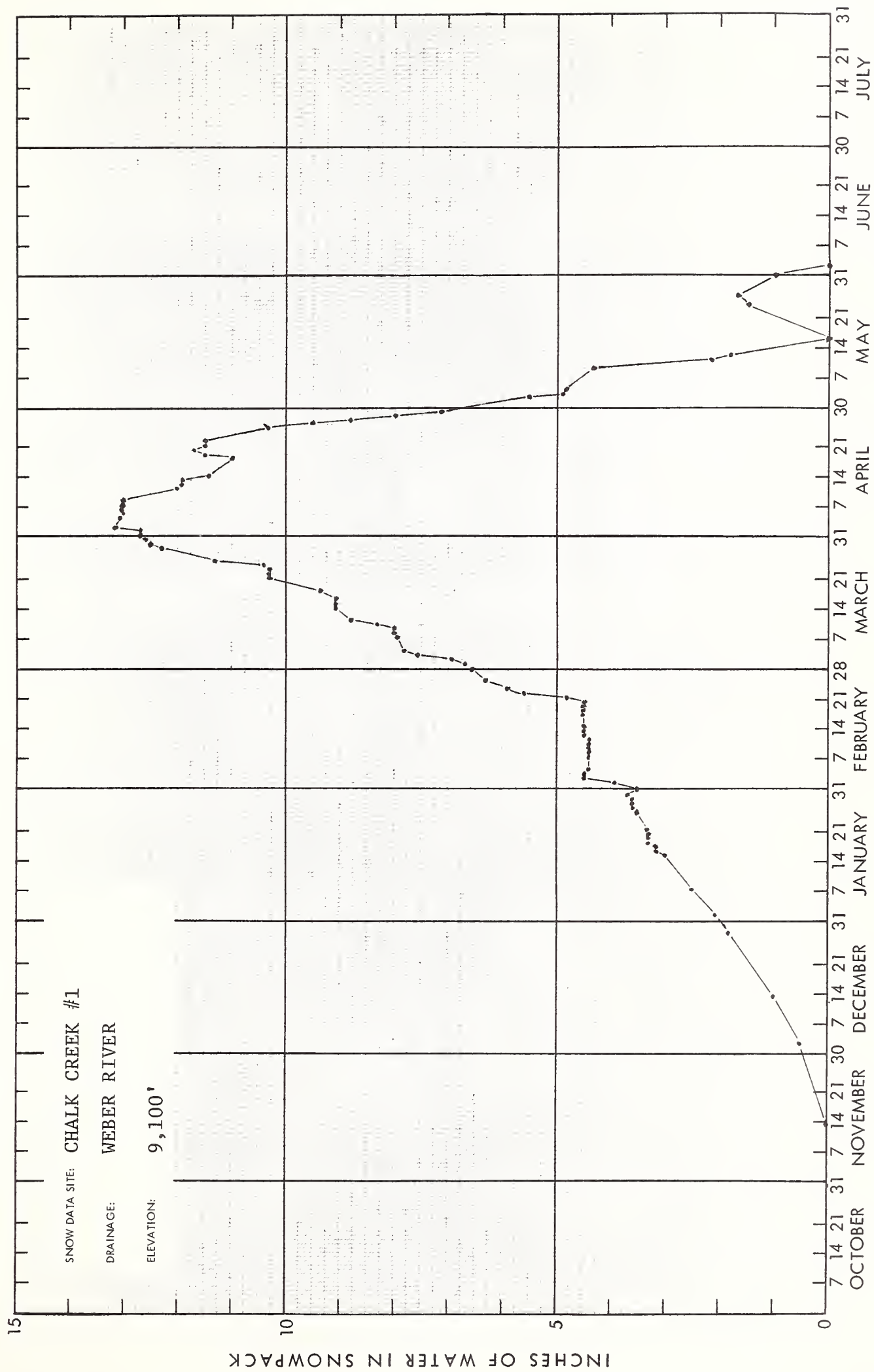


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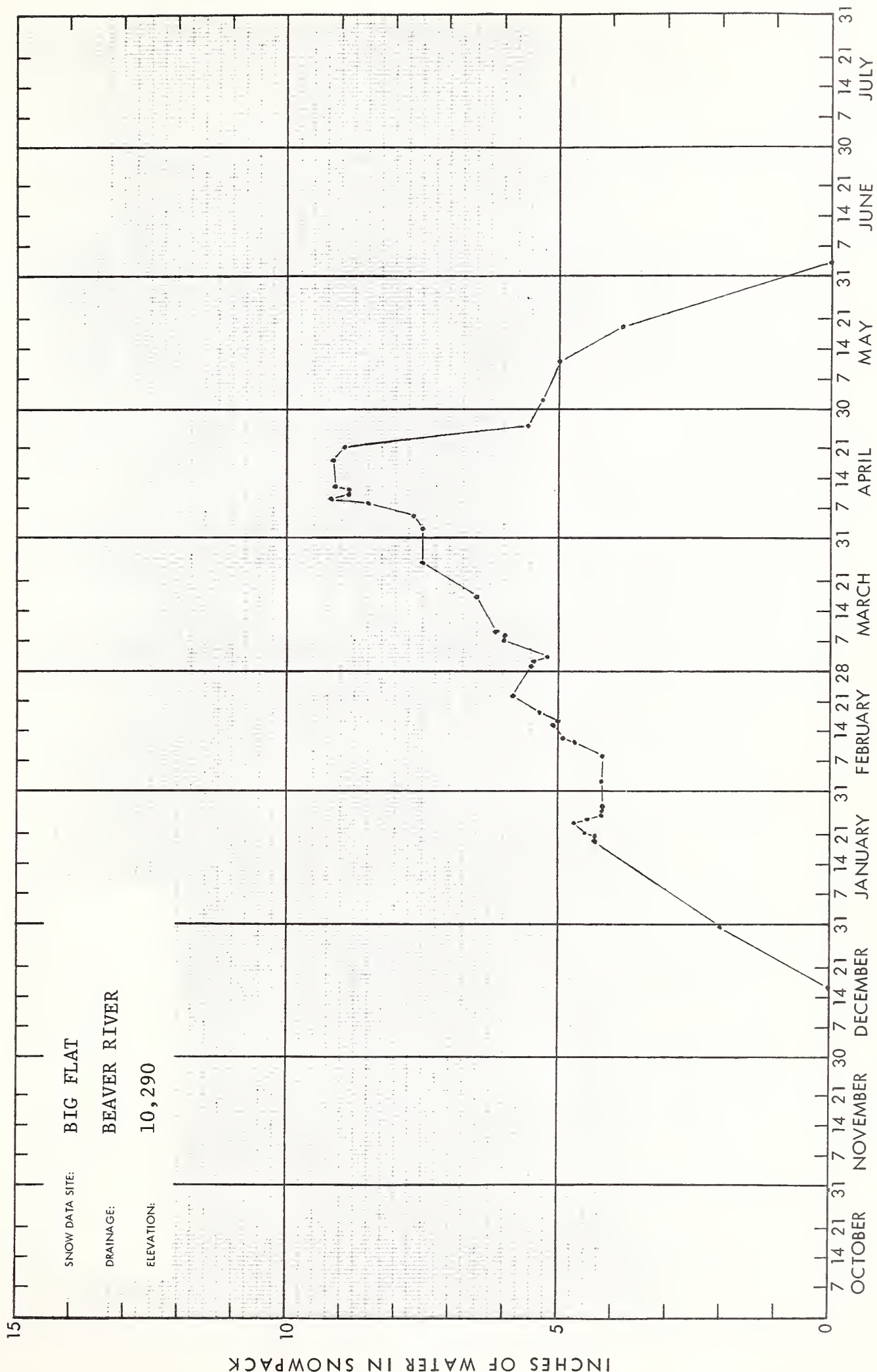


INCHES OF WATER IN SNOWPACK





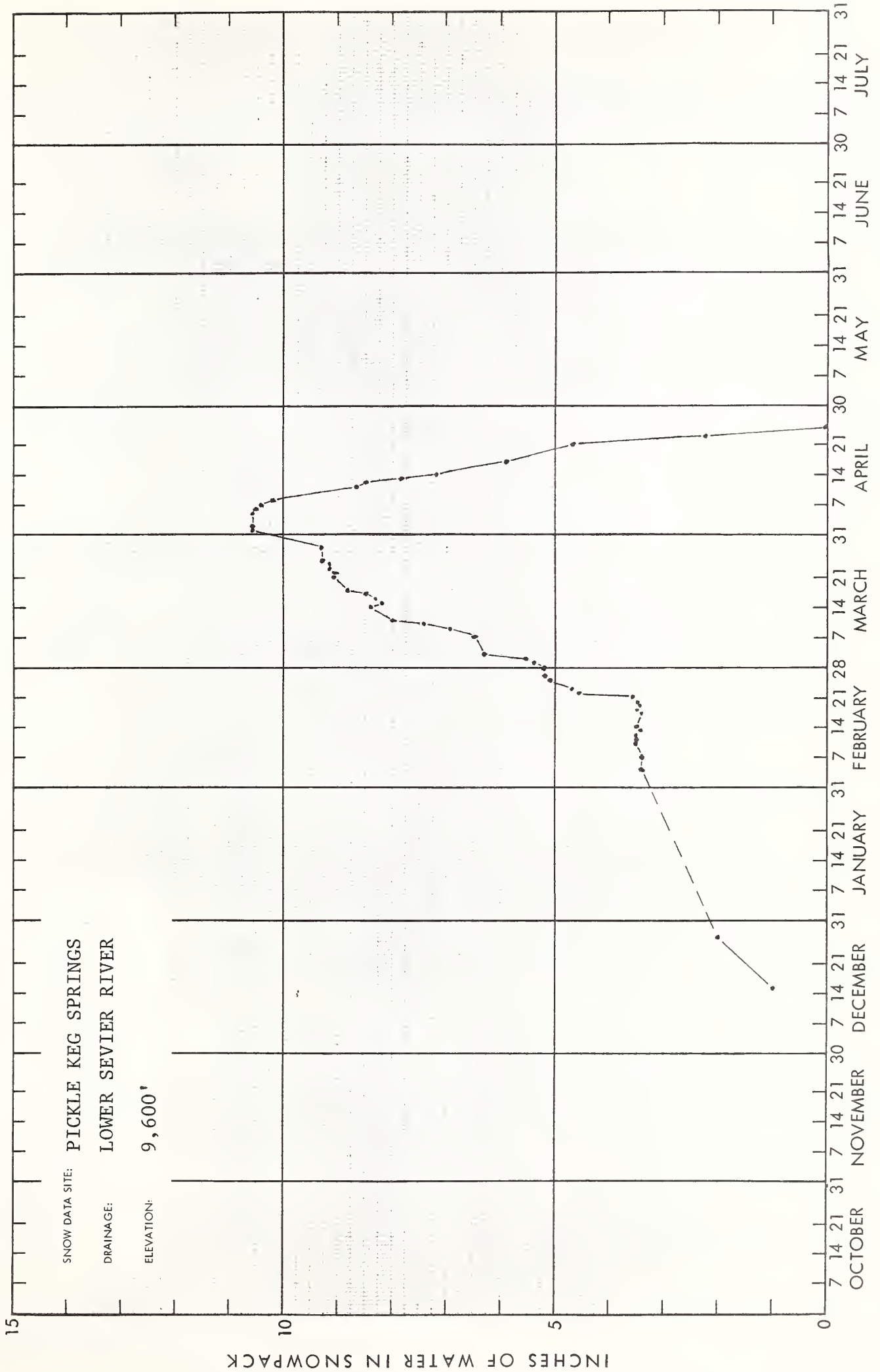
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INCHES OF WATER IN SNOWPACK



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## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	2 Years Ago	Date of Reading	Month's Precipitation	Average †	† This Year	Average †	Percent of Average
GREAT BASIN					Ago						
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	6/1	0	0.0	0.0	0.0	6/1	2.23	2.32a	8.74a	13.99a	62
Hayden Fork	6/1	0	0.0	0.0	16.3	6/1	4.22	3.88a	16.60	28.60a	58
Monte Cristo R.S.	5/31	0	0.0	2.2	26.9	5/31	*6.53	2.27b	18.97	35.35b	54
Salt River Summit	5/31					5/31	*3.38	1.45	11.19	20.64	54
Stillwater Camp	6/1	0	0.0	0.0	2.9	6/1	2.44	2.22	11.30	17.32	65
LOWER BEAR RIVER (Below Harer, Idaho)											
Franklin Basin	5/31	0	0.0	4.7	31.2						
Garden City Summit	5/31	0	0.0	0.0	10.0	5/31	*3.80e	1.88b	11.29a	25.24b	45
Klondike Narrows	5/31	0	0.0	0.0	13.7	5/31	*5.56	2.75b	13.96a	29.20b	48
Little Bear (lower)	5/31	0	0.0	0.0	0.0						
Little Bear (upper)	5/31	0	0.0	0.0	0.0						
Steep Hollow #1	5/31	0	0.0	23.3	48.2						
Steep Hollow #2	5/31	0	0.0	0.0	26.1						
Tony Grove Lake	5/31	0	0.0	10.2	-						
Tony Grove R.S.	5/31	0	0.0	0.0	0.0	5/31	*4.59	1.56a	10.92	22.97a	48
Willow Flat						5/27	*6.46	2.62	17.23	29.49	58
OGDEN RIVER											
Beaver Creek-Skunk Creek	5/31	0	0.0	0.0	0.0						
Ben Lomond (lower)	5/31	0	0.0	0.0	2.3	5/31	*9.04e	2.86b	16.13a	32.18b	50
Ben Lomond Peak	5/31	6	1.9	0.0	52.3						
Causey Dam						5/31	*5.04	1.59a	9.51	18.23a	52
Cutler Creek	5/31	0	0.0	0.0	36.0						
Dry Bread Pond	5/31	0	0.0	0.0	21.1	5/31	*6.17	2.22b	14.95a	27.38b	55
Sagebrush Flat	5/31	0	0.0	0.0	0.0	5/31	*4.46	1.41b	9.34	18.29b	51
WEBER RIVER											
Beaver Creek R.S.	6/1	0	0.0	0.0	0.0						
Chalk Creek #1	6/1	0	0.0	3.5	26.4						
Chalk Creek #2	6/1	0	0.0	0.0	10.8						
Chalk Creek #3	6/1	0	0.0	0.0	0.0	6/1	3.43	2.17b	12.40	17.76b	70
Farmington Canyon (lower)	5/28	0	0.0	0.0	-	5/28	10.51	-	25.92	-	-
Farmington Canyon (upper)	5/28	0	0.0	0.0	48.6						
Farmington G.S.						5/28	9.80	-	26.06	-	-
Horse Ridge	5/31	0	0.0	0.0	18.5	5/31	*5.92	2.21a	17.04	32.87a	52
Kilfoil Creek	5/31	0	0.0	0.0	0.9						
Lost Creek Reservoir	5/31	0	0.0	0.0	0.0	5/31	*5.49e	-	-	-	-
Parley's Canyon Summit	5/31	0	0.0	0.0	10.3	5/31	5.13	2.09	19.03	28.82	66
Redden Mine (lower)	6/1	0	0.0	0.0	17.5						
Redden Mine (upper)						6/1	4.78	2.56a	17.93	27.57a	65
Sergeant Lakes (A)	6/7	0	0.0	0.0	-						
Smith & Morehouse	6/1	0	0.0	0.0	5.3	6/1	3.56	2.18	13.62	24.21	56
PROVO RIVER & UTAH LAKE											
Camp Altamont	5/31	0	0.0	0.0	0.0						
Clear Creek Ridge #1	6/1	0	0.0	0.0	17.2						
Clear Creek Ridge #2	6/1	0	0.0	0.0	3.1	6/1	2.90	1.79	10.37	20.34	51
Clear Creek Ridge #3	6/1	0	0.0	0.0	0.0						
Dutchman R.S.	5/31	0	0.0	0.0	6.8	5/31	*7.20	2.10	17.59a	26.98	65
East Shingle Lake (A)	6/7	0	0.0	3.0	41.0						
Hobble Creek Summit	5/31	0	0.0	0.0	0.0	5/31	4.15	1.91	12.07	21.62	56
Packard Canyon	5/31	0	0.0	0.0	0.0						
Payson R.S.	6/1	0	0.0	0.0	9.2	6/1	3.35	1.83	13.80	23.00	60
Rock Bridge	6/1	0	0.0	0.0	0.0						
Soapstone R.S.	6/1	0	0.0	0.0	2.9	6/1	3.48	1.71	11.89	20.64	58
South Fork R.S.	6/1	0	0.0	0.0	0.0						
Timpanogos Cave Camp	6/1	0	0.0	0.0	0.0						
Timpanogos Divide	5/31	0	0.0	0.0	20.6	5/31	*7.55	2.20	16.05	30.77	52
Trial Lake	6/1	0	0.0	13.4	31.0	6/1	5.35	2.54	16.59	29.98	55

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				Last Year	2 Years Ago	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & SALT LAKE											
Beaver Creek Divide	6/1	0	0.0	0.0	5.5						
Bevan's Cabin		Not Measured		0.0	0.0						
Lamb's Canyon	5/31	0	0.0	0.0	2.2						
Lamb's Canyon #2	5/31	0	0.0	0.0	4.3	5/31	*5.90	- -	15.57a	- -	- -
Middle Canyon - Tooele	5/26	0	0.0	0.0	4.6	5/26	6.70	2.40b	20.70	23.21b	89
Mill Creek		Not Measured									
Mill D South Fork		Not Measured									
Mt. Dell Dam						5/31	5.25	1.91	12.24	18.15	67
Rocky Basin-Settlement Canyon	5/27	0	0.0	7.8	- -	5/27	9.80	- -	13.63	- -	- -
Silver Lake (Brighton)	5/31	0	0.0	0.0	35.8	5/31	6.85	2.41	21.91	35.16	62
Vernon Creek	5/26	0	0.0	0.0	0.0	5/26	5.60	- -	13.43	- -	- -
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	5/31	0	0.0	0.0	- -	5/31	1.60	1.88	11.73	18.29	64
Castle Valley	6/2	0	0.0	0.0	0.0	6/2	3.70	1.47	12.72	18.99	67
Duck Creek	6/2	0	0.0	0.0	0.0	6/2	*4.40	1.71	11.40	22.08	52
Harris Flat	6/2	0	0.0	0.0	- -						
Kimberly Mine	6/2	0	0.0	0.0	11.6	6/2	3.05	2.17b	14.79	23.18b	64
Midway Valley	6/2	0	0.0	0.0	22.9	6/2	*5.90	- -	15.05	- -	- -
Panguitch Lake	6/2	0	0.0	0.0	0.0	6/2	2.20	.88	8.17a	9.29	88
Squaw Springs	6/2	0	0.0	0.0	- -						
Widtsoe R.S.						5/27	.77	.87	2.78a	6.84	41
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	5/31	0	0.0	0.0	0.0	5/31	2.40	2.14	10.23a	18.22	56
Farnsworth Lake	5/31	0	0.0	- -	24.5	6/2	2.30	2.79	17.55	26.22	67
G.B.R.C. Headquarters	6/1	0	0.0	0.0	13.9	6/1	3.65	2.30	14.70	23.90	62
G.B.R.C. Majors						6/1	1.85	1.50	6.70	13.50	50
G.B.R.C. Meadows	6/1	0	0.0	0.0	30.1	6/1	4.15	2.60	17.41	29.80	58
G.B.R.C. Oaks						6/1	2.44	1.60	8.95	16.20	55
Gooseberry R.S.	6/2	0	0.0	- -	- -	6/2	1.60	- -	12.15	- -	- -
Mammoth-Cottonwood R.S.	6/1	0	0.0	0.0	19.3	6/1	4.10	2.00b	14.35	24.19b	60
Middle Fork	5/31	6	2.6	- -	- -						
Mt. Baldy R.S.	5/31	0	0.0	0.0	26.6	5/31	3.40	2.67b	13.60a	23.51b	58
Oak Creek	5/31	0	0.0	0.0	0.0	5/31	3.11	1.72a	12.58	19.05a	66
Pickle Keg Springs	5/31	0	0.0	- -	- -	5/31	2.50	- -	- -	- -	- -
Pine Creek	6/2	0	0.0	0.0	10.3	6/2	3.70	3.00	21.90	30.70	71
Rees Flat	6/1	0	0.0	- -	- -	6/1	3.40	- -	12.23	- -	- -
Shingle Mill	5/31	0	0.0	0.0	0.0	5/31	2.57	2.06b	13.13	19.33b	68
Thistle Flat	5/31	0	0.0	- -	- -						
BEAVER RIVER											
Beaver Canyon Power House						5/31	2.13	1.37	8.54	12.37	69
Beaver Race Track	6/2	0	0.0	0.0	- -						
Big Flat	6/2	0	0.0	4.4	18.0	6/2	3.90	2.79b	13.00	22.52b	58
Merchant Valley (Upper)	6/2	0	0.0	0.0	0.0	6/2	3.25	2.35a	12.89	19.36a	66
Otter Lake	6/2	0	0.0	0.0	9.1						
PAROWAN CREEK											
Birch Crossing	6/2	0	0.0	0.0	- -						
Brian Head	6/2	0	0.0	0.0	14.9						
Edward Flat	6/2	0	0.0	0.0	- -						
Tall Poles	6/2	0	0.0	0.0	4.8	6/2	2.80	1.67a	13.70	23.77a	58
Vankee Reservoir	6/2	0	0.0	0.0	0.0	6/2	2.00	1.43	10.95	15.77	69
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	6/2	0	0.0	0.0	0.0	6/2	*5.10	.88	- -	15.61b	- -
Long Flat	6/2	0	0.0	- -	- -	6/2	4.60	1.23b	10.45	14.24b	73
COAL CREEK											
Cedar City Golf Course	6/2	0	0.0	0.0	- -						
SUSC Ranch	6/2	0	0.0	0.0	- -						

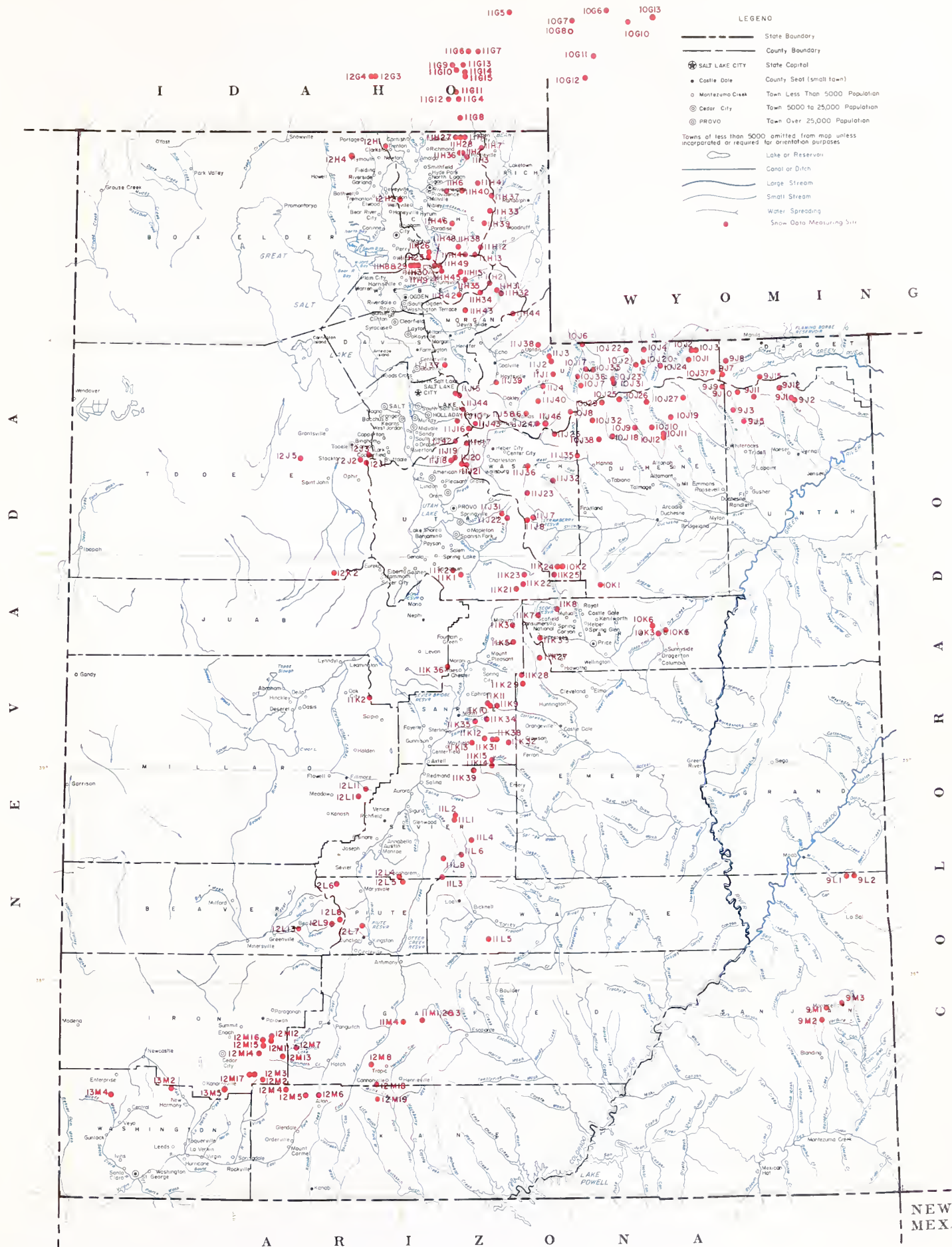


## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	2 Years Ago	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
COLORADO RIVER BASIN											
UPPER GREEN RIVER - UTAH											
Ashley Twin Lakes (A)	6/7	0	0.0	2.0	- -						
Black's Fork Junction	6/1	0	0.0	0.0	3.8	6/1	2.29	2.35b	10.78	16.82b	64
Black's Fork G.S.-East Fork	6/1	0	0.0	0.0	6.6	6/1	2.22	2.44b	11.62	17.55b	66
Buck Pasture	6/1	0	0.0	0.0	16.8	6/1	- -	- -	16.28	- -	- -
Burnt Creek	5/31	0	0.0	0.0	3.9	5/31	2.27	2.84b	8.62	14.91b	58
Grizzly Ridge	5/31	0	0.0	0.0	9.3	5/31	3.73	2.64b	11.48	19.33b	59
Henry's Fork (A)	6/7	0	0.0	0.0	- -						
Hewinta G.S.	6/1	0	0.0	0.0	6.6	6/1	2.13	2.51b	11.76	18.40b	64
Hickerson Park	6/1	0	0.0	0.0	- -	6/1	2.16	2.89a	11.51	14.89	77
Highline Trail	6/1	0	0.0	13.1	- -	6/1	4.90	- -	12.76	- -	- -
King's Cabin (lower)	6/1	0	0.0	0.0	3.2						
King's Cabin (upper)	6/1	0	0.0	0.0	5.9	6/1	3.23	2.60	11.82	16.81	70
Reynolds Park (A)	6/7	0	0.0	1.0	- -						
Spirit Lake	6/1	0	0.0	7.2	- -	6/1	5.94	3.68b	17.10	22.38b	76
Steel Creek Park	6/1	0	0.0	9.6	21.5						
Windy Park (A)	6/7	0	0.0	0.0	- -						
DUCHESNE RIVER											
Atwood Basin (A)	6/7	0	0.0	0.0	- -						
Brown Duck Ridge	6/1	8	2.0	9.6	23.7	6/1	6.10	- -	- -	- -	- -
Chepeta-Whiterocks (A)	6/7	0	0.0	0.0	- -						
Currant Creek	5/31	0	0.0	0.0	0.0	5/31	2.90	1.34b	9.20	17.24b	53
Daniels-Strawberry Summit	5/31	0	0.0	0.0	2.6	5/31	3.35	1.64	12.05	22.17	54
East Portal	5/31	0	0.0	- -	- -	5/31	3.42	2.25b	10.87	23.61b	46
Five Point Lake (A)	6/7	0	0.0	3.0	- -						
Indian Canyon	5/31	0	0.0	0.0	7.2	5/31	*4.60	1.71b	9.49a	17.37b	55
Jackson Park	6/1	2	0.8	9.8	16.9	6/1	5.46	- -	13.75	- -	- -
Lake Basin	6/1	20	9.5	23.3	41.3	6/1	5.30	- -	13.43	- -	- -
Lakefork Basin	6/7	0	0.0	10.0	- -						
Lakefork Mountain #1	6/1	0	0.0	0.8	11.4	6/1	4.65	2.26	13.29	17.49	76
Lakefork Mountain #2		Not Measured									
Lakefork Mountain #3	6/1	0	0.0	0.0	0.0						
Lightning Lake (A)	6/7	6	3.0	6.0	- -						
Mosby Mountain	6/1	0	0.0	2.2	9.2	6/1	5.29	2.65a	- -	15.91a	- -
Paradise Park	6/1	0	0.0	8.2	13.6	6/1	*6.38	2.50	13.32	20.56	65
Rock Creek Ranch	6/1	0	0.0	0.0	0.0	6/1	3.44	1.59	9.12	14.79	62
Strawberry Divide	5/31	0	0.0	0.0	- -						
Trout Creek	6/1	0	0.0	0.0	9.1	6/1	3.40	- -	- -	- -	- -
PRICE RIVER											
Dry Valley Divide	5/31	0	0.0	0.0	- -						
Gooseberry Reservoir	6/1	0	0.0	0.0	18.7	6/1	4.60	2.04	13.90	23.62	59
Jones Ranch	5/31	0	0.0	0.0	- -						
Mud Creek #2	5/31	0	0.0	0.0	0.0	5/31	3.15	1.66	9.55	18.56	51
White River #1	5/31	0	0.0	0.0	6.0	5/31	3.05	- -	9.50	- -	- -
White River #2	5/31	0	0.0	0.0	- -						
White River #3	5/31	0	0.0	0.0	- -						
SAN RAFAEL RIVER											
Buck Flat	5/31	0	0.0	0.0	13.2	5/31	3.30	2.15	12.95	22.43	58
Huntington-Horseshoe	6/1	3	1.2	- -	- -						
Orange Olsen	5/31	0	0.0	0.0	0.0	5/31	*2.25	.79a	6.26a	10.85a	58
Red Pine Ridge	5/31	0	0.0	0.0	- -	5/31	4.35	1.93	16.05	25.74	62
Rush Pond	5/31	0	0.0	0.0	9.1						
Seeley Creek	6/1	0	0.0	0.0	- -	6/1	4.45	- -	- -	- -	- -
Stuart R.S.	5/31	0	0.0	0.0	0.0	5/31	3.40	1.40b	8.25	15.72b	52
Upper Joe's Valley	5/31	0	0.0	0.0	- -						
Wrigley Creek	5/31	0	0.0	0.0	- -						
MUDDY RIVER											
Black's Fork	5/31	0	0.0	- -	- -						
Dill's Camp	5/31	0	0.0	- -	- -	5/31	2.70	- -	10.45	- -	- -

# SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	2 Years	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
<u>FREMONT RIVER</u>					Ago						
Black's Flat-U.M. Creek	5/31	0	0.0	0.0	4.0	5/31	1.45	1.81	9.44	16.28	58
Fish Lake	5/31	0	0.0	0.0	0.0	5/31	1.20	1.40b	7.60	12.48b	61
Johnson Valley	6/2	0	0.0	- -	- -						
<u>MILL CREEK</u>											
LaSal Mountain (lower)	5/27	0	0.0	0.0	0.0						
LaSal Mountain (upper)	5/27	0	0.0	0.0	3.2	5/27	1.53	2.31b	10.85	20.57b	53
<u>SAN JUAN RIVER</u>											
Buckboard Flat	5/26	0	0.0	0.0	0.0	5/26	1.71	1.73	7.20	22.26	32
Camp Jackson	5/26	0	0.0	0.0	0.0	5/26	2.01	1.33b	7.27	19.38b	38
Monticello City Park	6/1	0	0.0	0.0	0.0						
<u>ESCALANTE RIVER</u>											
Widtsoe Escalante Summit	5/27	4	1.6e	0.0	- -						
Widtsoe Escalante #2	5/27	6	2.4e	0.4	1.5						
Widtsoe Escalante #3	5/27	6	2.4e	0.6	0.6	5/27	3.40	1.66	10.28	17.10	60
<u>VIRGIN RIVER</u>											
Kolob Crystal	6/2	0	0.0	0.0	18.2						
Long Valley Junction	6/2	0	0.0	0.0	0.0						
Webster Flat	6/2	0	0.0	0.0	9.1	6/2	*6.10	1.90b	17.70	24.98b	71
* - New Record Maximum Precipitation a - Partly Estimated b - Average of all past record - less than 15 years + - 1958-72 Average A - Aerial Marker Reading											
ADDITIONS AND CORRECTIONS TO PREVIOUSLY PUBLISHED 1977 DATA											
<u>JANUARY 1, 1977</u>											
Klondike Narrows						12/27	- -	- -	1.47a	- -	- -
Lamb's Canyon #2						12/27	- -	- -	.64e	- -	- -
Widtsoe R.S.						12/27	- -	- -	1.07	2.91	37
Beaver Dams						12/27	- -	- -	1.68e	5.42	31
Beaver Race Track	12/30	0	0.0	- -	- -						
Burnt Creek						12/29	- -	- -	1.07	4.94b	22
Hickerson Park						12/27	- -	- -	3.86	2.59a	149
Orange Olsen						12/28	- -	- -	1.06e	2.81a	38
<u>FEBRUARY 1, 1977</u>											
No Corrections											
<u>MARCH 1, 1977</u>											
No Corrections											
<u>APRIL 1, 1977</u>											
No Corrections											
<u>MAY 1, 1977</u>											
Silver Lake (Brighton)						4/30	.76	5.06	15.06	32.75	45



# SNOW COURSES AND RELATED DATA MEASURING SITES

## UTAH

1977



INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO	STATE	NAME	SEC.	TWP	RGE	ELEV	NO	STATE	NAME	SEC.	TWP	RGE	ELEV	NO	STATE	NAME	SEC.	TWP	RGE	ELEV
UPPER BEAR RIVER (above Herrer, Idaho)																				
10G11	W	Big Park	7	27N	117W	8,700	11J18P	U	Timpanogas Cave Camp	27	45	2E	5,500	10J31P	U	Tokewanna Peak	23	1N	11E	9,800
10J6P	W	Burfs-Miller Ranch	19	3N	10E	7,900	11J21P	U	Timpanogas Divide	33	45	3E	8,140	9J12ap	U	Windy Park	1	15	20E	9,400
10G7	W	CCC Camp x	9	29N	118W	7,500	10J8PST	U	Trail Lake	5	25	9E	8,800	DUCHESNE RIVER						
10J36p	U	Gold Hill	11	1N	9E	10,000	JORDAN RIVER & GREAT SALT LAKE													
10J7P	U	Hayden Fork	25	1N	9E	9,400	11J46PST	U	Beaver Creek Divide	25	25	7E	8,000	10J27ap	U	Atwood Basin	21	1S	15E	10,250
10G12	W	Kelly Ranger Station	13	26N	118W	8,200	12J2	U	Beaver's Cabin	24	45	4W	7,450	10J9PST	U	Brown Duck Ridge	2	2N	6W	10,300
10G12.5	W	Labarge Guard Station x	20	29N	118W	8,200	12J5p	U	Black's Fork	21	45	7W	9,250	11J32MP	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
10J36p	U	Lily Lake	4	8N	10E	9,300	12J5p	U	Leah's Peak	15	45	7W	9,250	11J32MP	U	Current Creek	31	1S	10W	7,800
11H12PST	U	Monte Cristo R.S.	29	30N	114W	8,500	12J3P	U	Land's Canyon #2	8	45	3W	6,500	11J7P	U	Daniels-Shrawberry Summit	20	2S	12W	8,000
10G10	W	Piney Labarge x	29	30N	114W	8,500	12J3P	U	Land's Canyon #2	8	45	3W	6,500	10J26ap	U	East Point Lake	26	7S	5E	11,560
10G6	W	Poison Meadows x	29	30N	116W	8,500	11J44	U	Mill Creek	32	15	3E	7,000	10K1PST	U	Fire Point Lake	28	1N	10E	11,000
10G13MP	W	Salt River Summit x	32	29N	118W	7,900	11J10	U	Mill D South Fork	18	25	3E	6,500	10J19P	U	Frederick Canyon	22	3N	10E	9,100
10G13MP	W	Snyder Basin x	15	29N	115W	8,400	12J1P	U	Rocky Basin-Settlement Canyon	30	45	3W	8,900	10J18P	U	Jordan Park	23	3N	4W	11,300
10J77P	U	Stillwater Camp	32	2N	10E	8,550	11J16P	U	Silver Lake (Brighton)	35	25	3E	8,725	10J15p	U	Lake Basin	35	8W	10,100	
LOWER BEAR RIVER (below Herrer, Idaho)																				
11H37p	U	Big Lake	18	13N	5E	7,950	12K2PST	U	Vernon Creek	18	35	3E	10,000	10J25a	U	Lakefork Basin	13	4N	7W	11,100
11H36p	U	Bunchgrass	5	13N	3E	8,400	UPPER SEVIER RIVER (South of Richfield, Utah)													
11G11	U	Christensen Ranch	27	13S	41E	5,600	12L4P	U	Box Creek	33	26S	2W	9,800	10J9PST	U	Lakefork Mountain #2	2	3	7N	10,100
11H38p	U	Cinnamon Creek	5	8N	3E	7,300	12M8	U	Byrce Canyon	36	36S	4W	8,000	9J9PST	U	Lakefork Mountain #3	17	2N	4W	8,900
12H1P	U	Clarkson Mountain	29	14N	2W	6,300	12M13P	U	Castle Valley	23	36S	8W	9,700	9J3P	U	Lightning Lake	29	2N	4W	8,100
11G12	U	Cub River Ranger Station	5	15S	41E	5,400	12M4P	U	Duck Creek R.S.	11	38S	8W	8,700	10J18P	U	Mosby Mountain	24	4N	8W	10,950
11H33P	U	Gurtis Creek	12	10N	4E	8,450	12M18	U	Farview	32	37S	4W	8,700	10J28P	U	Paradise Park	27	2S	18E	9,500
11H39p	U	Deer Springs	34	10N	4E	8,400	12M5P	U	Harris Flat	34	37S	4W	8,700	10J28P	U	Rock Creek	21	3N	1E	10,100
11G14a	U	Dry Creek Flat	30	13S	42E	6,900	11L9P	U	Harris Flat	34	38S	7W	7,700	11J36P	U	Shadwin Lake	28	3N	8W	10,150
12G14	U	Dry Creek Flat	31	13S	37E	6,350	12L6P	U	High-Top Mountain	36	25S	1E	11,400	11J36P	U	Shawberry Divide	34 & 35	7S	6E	8,000
11G16	U	Emigrant Summit	21	12S	42E	7,350	12L6P	U	Kimberly Mine	11	27S	5W	9,300	PRICE RIVER						
11G7	U	Emigrant Canyon (mouth)	24	12S	42E	6,500	12M2M	U	Midway Valley	26	37S	9W	9,800	10K5M	U	Corral	32	13S	14E	8,200
11H8MPST	U	Franklin Basin	34 & 35	16S	41E	8,000	12M2M	U	Midway Valley	26	37S	9W	9,800	11K8	U	Dry Valley Divide	20	12S	8E	7,800
11H43P	U	Garden City Summit	14N	4E	7,600	12M1P	U	Panguitch Lake	4 & 5	36S	7W	8,200	10K3M	U	Grossy Trail Creek-Left Fork	2	14S	13E	7,970	
12H4P	U	George Peak	4	13N	4E	9,000	12L5	U	Rainbow Point	29	38S	4W	9,100	11K7	U	Jones Ranch	32	12S	7E	7,600
11H40p	U	Herd Hollow	24	11N	2W	6,400	12L5	U	Squaw Springs	3	27S	2W	9,300	11K3MP	U	Mud Creek	4	14S	7E	8,300
11H40p	U	Herd Hollow	4	11N	3E	7,000	11M4P	U	Widsee R.S.	22	34S	2W	7,600	11K3MP	U	Mud Creek	4	14S	7E	8,300
11G15a	U	Horsehoe Basin	31	13S	42E	8,000	LOWER SEVIER RIVER (Including San Pitch River)													
11H1MP	U	Klamdike Narrows	10	14N	3E	7,400	11K13P	U	Beaver Dam	27	19S	3E	8,000	11K24	U	White River #1	11	10S	3E	8,500
11G13	U	Liberty Springs	7	13S	42E	8,240	11L1P	U	Fornsworth Lake	27 & 33	23S	2E	9,900	11K25	U	White River #2	9	10S	3E	8,500
11H26	U	Little Bear (lower)	15	8N	1E	6,000	11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700	SAN RAFAEL RIVER						
11H25P	U	Little Bear (upper)	22	19N	2E	9,500	11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000	11K31PST	U	Buck Flat	23	19S	4E	9,400
11H6	U	Mr. Logan	3	11N	2E	9,000	11L2P	U	Gooseberry R.S.	22	23S	2E	8,400	11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
12G3	U	Oxford Mountain	32	13S	37E	6,800	11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800	11K5	U	Huntington-Horsehoe	12	14S	5E	9,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650	11K34	U	Middle Fork	16	18S	4E	9,600	11K28PST	U	Red Pine Ridge	5	16S	6E	9,400
11G5	U	Slug Creek Divide	15	10S	44E	7,225	11K12P	U	Middle Fork	16	18S	4E	9,600	10K2MP	U	Rush Pond	24	19S	4E	9,800
11H27	U	Sleep Hollow #1	7	14N	3E	8,500	11K2P	U	Oak Creek	9	17S	3W	7,760	11K9PST	U	Seelye Creek	25	17S	4E	10,000
11H28	U	Sleep Hollow #2	9	14N	3E	8,500	11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600	11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11G9	U	Snowberry Creek	9	13S	41E	5,800	12LPS	U	Pine Creek	24	22S	4W	8,700	11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11G10	U	Snowberry Mink Divide	14	13S	41E	5,800	11K36	U	Rees's Flat	20	15S	2E	7,300	11K32	U	Wrigley Creek	27	19S	5E	9,000
11H2PST	U	Tony Grove Lake	11	13N	3E	7,400	12L1P	U	Shingle Mill	5	22S	3W	6,200	MUDDY RIVER						
11H3M	U	Trigora Springs	29	12N	4E	7,600	11K35	U	Thistle Flat	23	18S	3E	8,500	11H41p	U	Willow Flat	2	15S	41E	6,100
11H41p	U	Willow Flat	2	15S	41E	6,100	OGDEN RIVER													
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150	12L13	U	Beaver Race Track	23	29S	7W	6,020	11K14	U	Black's Fork	34	20S	4E	9,200
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000	12L7PST	U	Big Flat	18	29S	4W	10,290	11K15PST	U	Dill's Camp	27	20S	4E	9,200
11H9P	U	Ben Lomond (lower)	1	7N	1W	8,000	12L8P	U	Merchant's Valley	8 & 9	29S	5W	8,200	FREMONT RIVER						
11H3P	U	Culley Creek	32	7N	3E	5,000	12M16	U	Birch Grazing	23	36S	9W	8,100	11L5	U	Donkey Reservoir	9	30S	4E	9,800
11H3MP	U	Culley Creek	3	7N	1W	6,780	12M14	U	Brian Head	10	36S	9W	10,000	11L3P	U	Fish Lake	35	26S	1E	8,700
11H42p	U	Dry Bread Pond	19	8N	4E	8,230	12M12	U	Ed Ward Flat	17	35S	9W	8,300	SOUTHEASTERN UTAH DRAINAGES						
11H49p	U	Magpie	29	6N	3E	7,700	13M4MP	U	Little Grassy Creek	15	38S	17W	6,100	9M1P	U	Buckboard Flat	36	33S	22E	9,000
WEBER RIVER																				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500	UPPER GREEN RIVER IN UTAH (above Duchesne River)													
11J1P	U	Chalk Creek #1	4	1N	8E	9,100	9J11ap	U	Ashley Twin Lakes	20	1S	19E	10,500	13M5PST	U	Kolaba-Crystal	2	38S	11W	9,250
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900	10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300	13M6PST	U	Long Valley Junction	22	38S	6W	7,500
11J3MP	U	Chalk Creek #3	7	2N	8E	7,900	10J22P	U	Black's Fork Junction	33	3N	12E	8,925	12M3MPST	U	Webster Flat	20	37S	9W	9,200
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950	9J14P	U	Burnt Creek	4	1N	20E	9,900	VIRGIN RIVER						
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	6,000	9J14P	U	Burnt Creek	4	1N	20E	9,900	11M1	U	Escalante Summit	22	34S	1W	9,500

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